

The first three exons of the *AA* gene are identical to those of the *AA* gene. The fourth exon is identical to the fourth exon of the *AA* gene. The fifth exon is identical to the fifth exon of the *AA* gene. The sixth exon is identical to the sixth exon of the *AA* gene. The seventh exon is identical to the seventh exon of the *AA* gene. The eighth exon is identical to the eighth exon of the *AA* gene. The ninth exon is identical to the ninth exon of the *AA* gene. The tenth exon is identical to the tenth exon of the *AA* gene. The eleventh exon is identical to the eleventh exon of the *AA* gene. The twelfth exon is identical to the twelfth exon of the *AA* gene. The thirteenth exon is identical to the thirteenth exon of the *AA* gene. The fourteenth exon is identical to the fourteenth exon of the *AA* gene. The fifteenth exon is identical to the fifteenth exon of the *AA* gene. The sixteenth exon is identical to the sixteenth exon of the *AA* gene. The seventeenth exon is identical to the seventeenth exon of the *AA* gene. The eighteenth exon is identical to the eighteenth exon of the *AA* gene. The nineteenth exon is identical to the nineteenth exon of the *AA* gene. The twentieth exon is identical to the twentieth exon of the *AA* gene. The twenty-first exon is identical to the twenty-first exon of the *AA* gene. The twenty-second exon is identical to the twenty-second exon of the *AA* gene. The twenty-third exon is identical to the twenty-third exon of the *AA* gene. The twenty-fourth exon is identical to the twenty-fourth exon of the *AA* gene. The twenty-fifth exon is identical to the twenty-fifth exon of the *AA* gene. The twenty-sixth exon is identical to the twenty-sixth exon of the *AA* gene. The twenty-seventh exon is identical to the twenty-seventh exon of the *AA* gene. The twenty-eighth exon is identical to the twenty-eighth exon of the *AA* gene. The twenty-ninth exon is identical to the twenty-ninth exon of the *AA* gene. The thirtieth exon is identical to the thirtieth exon of the *AA* gene. The thirty-first exon is identical to the thirty-first exon of the *AA* gene. The thirty-second exon is identical to the thirty-second exon of the *AA* gene. The thirty-third exon is identical to the thirty-third exon of the *AA* gene. The thirty-fourth exon is identical to the thirty-fourth exon of the *AA* gene. The thirty-fifth exon is identical to the thirty-fifth exon of the *AA* gene. The thirty-sixth exon is identical to the thirty-sixth exon of the *AA* gene. The thirty-seventh exon is identical to the thirty-seventh exon of the *AA* gene. The thirty-eighth exon is identical to the thirty-eighth exon of the *AA* gene. The thirty-ninth exon is identical to the thirty-ninth exon of the *AA* gene. The fortieth exon is identical to the fortieth exon of the *AA* gene. The forty-first exon is identical to the forty-first exon of the *AA* gene. The forty-second exon is identical to the forty-second exon of the *AA* gene. The forty-third exon is identical to the forty-third exon of the *AA* gene. The forty-fourth exon is identical to the forty-fourth exon of the *AA* gene. The forty-fifth exon is identical to the forty-fifth exon of the *AA* gene. The forty-sixth exon is identical to the forty-sixth exon of the *AA* gene. The forty-seventh exon is identical to the forty-seventh exon of the *AA* gene. The forty-eighth exon is identical to the forty-eighth exon of the *AA* gene. The forty-ninth exon is identical to the forty-ninth exon of the *AA* gene. The fiftieth exon is identical to the fiftieth exon of the *AA* gene. The fifty-first exon is identical to the fifty-first exon of the *AA* gene. The fifty-second exon is identical to the fifty-second exon of the *AA* gene. The fifty-third exon is identical to the fifty-third exon of the *AA* gene. The fifty-fourth exon is identical to the fifty-fourth exon of the *AA* gene. The fifty-fifth exon is identical to the fifty-fifth exon of the *AA* gene. The fifty-sixth exon is identical to the fifty-sixth exon of the *AA* gene. The fifty-seventh exon is identical to the fifty-seventh exon of the *AA* gene. The fifty-eighth exon is identical to the fifty-eighth exon of the *AA* gene. The fifty-ninth exon is identical to the fifty-ninth exon of the *AA* gene. The sixtieth exon is identical to the sixtieth exon of the *AA* gene. The sixty-first exon is identical to the sixty-first exon of the *AA* gene. The sixty-second exon is identical to the sixty-second exon of the *AA* gene. The sixty-third exon is identical to the sixty-third exon of the *AA* gene. The sixty-fourth exon is identical to the sixty-fourth exon of the *AA* gene. The sixty-fifth exon is identical to the sixty-fifth exon of the *AA* gene. The sixty-sixth exon is identical to the sixty-sixth exon of the *AA* gene. The sixty-seventh exon is identical to the sixty-seventh exon of the *AA* gene. The sixty-eighth exon is identical to the sixty-eighth exon of the *AA* gene. The sixty-ninth exon is identical to the sixty-ninth exon of the *AA* gene. The seventieth exon is identical to the seventieth exon of the *AA* gene. The seventy-first exon is identical to the seventy-first exon of the *AA* gene. The seventy-second exon is identical to the seventy-second exon of the *AA* gene. The seventy-third exon is identical to the seventy-third exon of the *AA* gene. The seventy-fourth exon is identical to the seventy-fourth exon of the *AA* gene. The seventy-fifth exon is identical to the seventy-fifth exon of the *AA* gene. The seventy-sixth exon is identical to the seventy-sixth exon of the *AA* gene. The seventy-seventh exon is identical to the seventy-seventh exon of the *AA* gene. The seventy-eighth exon is identical to the seventy-eighth exon of the *AA* gene. The seventy-ninth exon is identical to the seventy-ninth exon of the *AA* gene. The eightieth exon is identical to the eightieth exon of the *AA* gene. The eighty-first exon is identical to the eighty-first exon of the *AA* gene. The eighty-second exon is identical to the eighty-second exon of the *AA* gene. The eighty-third exon is identical to the eighty-third exon of the *AA* gene. The eighty-fourth exon is identical to the eighty-fourth exon of the *AA* gene. The eighty-fifth exon is identical to the eighty-fifth exon of the *AA* gene. The eighty-sixth exon is identical to the eighty-sixth exon of the *AA* gene. The eighty-seventh exon is identical to the eighty-seventh exon of the *AA* gene. The eighty-eighth exon is identical to the eighty-eighth exon of the *AA* gene. The eighty-ninth exon is identical to the eighty-ninth exon of the *AA* gene. The ninetieth exon is identical to the ninetieth exon of the *AA* gene. The ninety-first exon is identical to the ninety-first exon of the *AA* gene. The ninety-second exon is identical to the ninety-second exon of the *AA* gene. The ninety-third exon is identical to the ninety-third exon of the *AA* gene. The ninety-fourth exon is identical to the ninety-fourth exon of the *AA* gene. The ninety-fifth exon is identical to the ninety-fifth exon of the *AA* gene. The ninety-sixth exon is identical to the ninety-sixth exon of the *AA* gene. The ninety-seventh exon is identical to the ninety-seventh exon of the *AA* gene. The ninety-eighth exon is identical to the ninety-eighth exon of the *AA* gene. The ninety-ninth exon is identical to the ninety-ninth exon of the *AA* gene. The hundredth exon is identical to the hundredth exon of the *AA* gene.

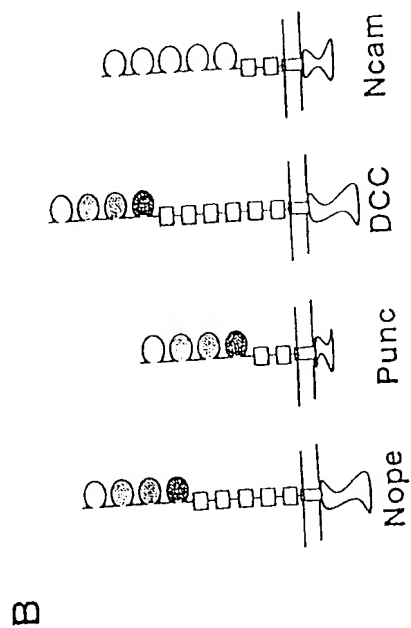
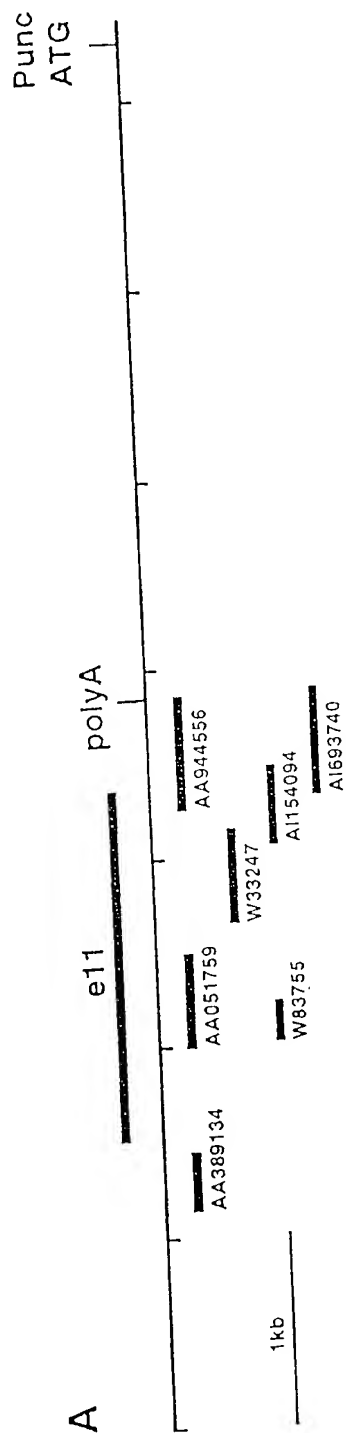


FIGURE 1

ATGGCGCGGGCGGACACGGGCGGGGCTCCTGGTGCTGACCTTCTGCCTGTGTCCGCG 60
 CGCGGGGAGCTGCCATTGCCCCAGGAGACAAGTGTCAAGCTGAGCTGTGATGAGGGACCC 120
 CTGCAAGTGATCCTGGGCCCTGAGCAGGCTGTGGTGCTGGACTGCACCTTTGGGGGCTACA 180
 GCTGCTGGGCTCCGACCAAGGTGACATGGAGCAAGGATGGAGACACTGTACTAGAGCAT 240
 GAGAACCTGCACCTGCTACCCAATGGCTCCCTGTGGCTGTCTCACCCCTAGAGCAAGAA 300
 GACAGCGATGATGAGGAAGCTCTTAGGATCTGGAAGGTCACTGAGGGCAGCTATTCTGT 360
 CTGGCCACAGCCCGCTAGGAGTGGTGGCCAGCCAGGTGCTGTGGTCAAGCTTGCCACA 420
 CTCGAAGACTTCTCTGACCCCGAGTCCAGATTGTGGAGGAGAACGGGACAGCACGC 480
 TTTGAATGCCACCAAGGGCCTTCCAGCCCCATCATTACTTGGGAAAAGGACAGGTG 540
 ACCGTGCTGAGGAGCCCCGGCTCATCACTCTTCCCAAGTGGCTCTCCAGATCCTAGAT 600
 GTCCAGGACAGTGATGAGGCTCTACCGCTGCGTGGCCACCAATTGAGCCCGCCAACGA 660
 TTCAGCCAGGAGGCTCGCTCACTGTGGCCCTCAGAGGGTCTTTGGAGGCTACAGGGGG 720
 CAGGATGTGGTCATTGTGGCAGCCCCAGAGAACCACCGGTAGTGTCTGGACAGAATGTA 780
 GTGATGGAGTGCCTGGCCTCTGCTGACCCACCCCTTTGTGTCTGGGTCCGACAGGAT 840
 GGAAAGCCTATCTCCAGGGATGTCATCGTTCTGGGCGGACCAATCTACTCATCGCCAGC 900
 GCGCAGCTCGGCACTCTGGAGTCTATGTCTGCGGAGCCAACAAGCCCCCTCACGCGTGAC 960
 TTCGCCACTGCGGCTGTGAGCTCCGAGTGTCTGCTGCCCCAGCCATCTCGCAGGCACCC 1020
 GAGGCGCTCTCGCGGACGCGGGCCAGCACCGCGCGCTTCGTGTGCGGGCGTCCGGGGAG 1080
 CCACGGCCCCGCTGCACTGGCTGCACGACGGGATCCCGTTGCGACCAATGGCGCGCTC 1140
 AAGGTGCAGGGCGGTGGCGGCAGCTTGGTCACTCACTCAGATCGGCCCTGCAGGACGCTGGC 1200
 TACTACAGTGCCTAGCAGAAAACAGCGCGGAACTGCCTGTGCGCGTGCGCCCTGGCG 1260
 GTAGTGGTGCCTGAGGGGCTGCCCCAGCGCCCCGACTCGGGTCACAGCCACGCGCTGAGC 1320
 AGCTCCTCTGTGCTGGTGGCTGGGAGCGGCTGAGTTGCACAGCGAGCAAATCATTGGC 1380
 TTCTCTCTCACTACCAAAAGGCAAGGGAGTGGACAATGTGGAGTACCACTTTGAGTTC 1440
 AACAATGACACCACAGAGCTGCAGGTTCCGGACCTGGAACCCAAACCGATTATGAGTTC 1500
 TACGTGGTGGCCTACTCCCAGCTGGGGGCCAGCCGAACCTCCAGCCAGCCCTGGTGCAT 1560
 AACTGAGCATGTCCCCAGCGCAGCACCCAGCTTACCTTGTCCAGCCCCAACCCCTCG 1620
 GACATCAGGGTGGCATGGCTGCCCCGCTGCCCTCCAGCCTGAGCAATGGACAGGTGCTGAAG 1680
 TACAAGATAGAGTACGGTTTGGGGAAGGAAGATCAGGTTTTCTCCACCGAGGTGCTGGA 1740
 AATGAGACACAACCTTACGTTAACTCACTTCAGCCAAACAAGTGTACCGAGTCCGATT 1800
 TCAGTGGCAGTGGCGCTGGCTATGGAGTCCCTTCTCAGTGGATGCAGCACAGGACCT 1860
 GGTGTGCACAACCAGAGCCATGTTCCCTTTGCCCCCTGCAGAATTGAAGGTGAGGGCAAAG 1920
 ATGGAGTCCCTGGTGGTGTCTATGGCAGCCGCCCCCTCACCCACCCAGATCTCTGGATAC 1980
 AAACCTCTACTGGGAGAGGTGGGAACAGAGGAGGAGGAGATGGTGACCGCCCCCAGG 2040
 GGTGCTGAGATCAAGCTTGGGACGTCGGGCCGTCGCGCTGAAGAAGAAAGTGAAGCAG 2100
 TATGAACTGACCCAGTTAGTCCCTGGCAGGCCGTACGAGGTGAAGCTCGTAGCTTTCAAC 2160
 AAACAGGAGGAGGCTACGCTGTGTGGAAGGGCAAGACGGAGAAGGCGCCACGCCA 2220
 GACCTGCCTATCCAGAGGGGCCACCGCTGCCTCTGCCATGTCCACGCAAGTCAAAC 2280
 AGCTCCACTTCCATTGGCTTCGGTGGGAAGAAGCCAGACTTTACCACTGTCAAGATTGTC 2340
 AACTACACTGTACGCTTCGGGCCCTGGGGCTCAGGAATGCTTCCCTGGTCACTACTAT 2400
 ACCAGCTCTGGAGAAGACATTCTCATTGGCGGCTGAAACCAATTACCAAGTACGAGTTT 2460
 GCGGTACAGTCCCACGGAGTGGATATGGATGGGCCCTTTGGCTCCGTGTAAGCGCTCC 2520
 ACCCTGCTGACCGGCCCTCAACACCTCCTTCTGACCTGCGCTGAGCCCCCTGACACCA 2580
 TCCACCGTTCCGTTTACTGGTGTCCCCCAGGAGCCCAATGGTGAGATTGTGGAGTAT 2640
 CTAATTCTCTACAGCAACAACCACACCCAGCCCGAACACCAAGTGGACACTGCTCACCACA 2700
 GAGGGAACATCTTCACTGAGAGGTCCATGGCCTAGAGAGTGACACTCGGTATTCTTCT 2760
 AAGATGGGAGCCCGCACAGAGGTGGGGCTGGGCCCTTTCCCGCTTGCAAGATGTGATT 2820
 ACTCTGCAAGAGACATTCTCAGACTCCTTGGATGTGCACGCCGTACGGGCATCATCTGT 2880
 GGTGTCTGCTGGGCCCTTCTGCTCCTGGCCTGCATGTGTGCTGGCCTACGACAAAGC 2940
 TCCACAGGGAAGCCCTTCCCGATTGTCTCCTCAGGCACCCAGGAAACCCAGCGCTC 3000
 TACACAAGAGCTCGGCTTGGGCTCCAGTGTCCCTGTGCCCATGAGTTGGAGTCCCTC 3060
 GTGATCCTCGTCCCCAGGATTGGTCCCCACCACCTCAGATGTGGAAGACAAGGCTGAA 3120
 GTACACAGCCTTATGGGTGGCAGTGTTCAGATTGCGGGGGCCACTCAAGAGAAAGATC 3180
 TCCTGGGCTCAGGCAGGGGACCAAACTGGGCAGGCTCCTGGGCAGGCTGTGAGCTGCC 3240
 CAGGGTAGTGGTCCAAGGCCGCTCTGACCCGTGCTGTGCTGCTCAGCGGGAACCGGG 3300
 CAGACACTGCTGCTGCAAGCCCTGGTGTATGACGGCATAAAGAGCAACGGGAGAAAG 3360
 CCGTCCCCAGCCTGCAGGAATCAGGTGGAAGCTGAGGTCAATTGTCCACTCCGACTTCGGT 3420
 GCATCCAAAGATGTCTGACCTCCACCTCCAAGACCTGGAGCCAGAGGAACCACTGACT 3480

FIGURE 2A

GCAGAGACTCTGCCTTCCACGTCTGGAGCTGTGGATCTGTCTCAAGGAGCAGACTGGCTG 3540
 GGCAGGGAGCTGGGAGGGTGCCAAACCAACCAAGTGGGCCAGAGAGGCTCACCTGCTTG 3600
 CCAGAAGCAGCCAGTGCCTCCTGCTCCTGCTCAGACCTCCAGCCCAGCACTGCTATAGAG 3660
 GAGGCCCTGGGAAAAGCTGCCAGCCCAAGCCCTGTGTCTCTAACAGTCAGCCCAAGC 3720
 CTTCCCAGGGCCCCCTCTCCTCTGCTCAGGTCCCCTGAGCAGAAGGCAGATATGGCTCA 3780
 GGAACATGCCATGCATGGCTACACATGTGTGTACTAGAGATATCCATAAGTCCTTGGAGC 3840
 CTCTTAGGGTCCCTTGGCTGGGGTTGGGGAGAACTTTACTCTCCCTCATATTCTGCATCA 3900
 CATACAGGAGGACTTGAGACACAGCTCTGTGTAATGGACACGTGTGAAGTCGTGTGTGT 3960
 GTGTGTGTGTGTGTGTGTGTGGTTGAGCTAGGAAACCTCTCCCTATGTAGCACTCACTGTG 4020
 GCCTAGTTGACCTCCGTTGGCAGGATGGTGTAACAGTGTATCAGTGCCAGCTCTTTGAGCT 4080
 TTTAGCCTTGTACCTAGCCTTTTATTACACTCTGAGAGTGTCTCCAGTGTGTGTCTAC 4140
 AAAGACAGCGCCAGCCCTCTTCTGTGCTGTGTGTGAGCAGAGTGCCAGTCAACTCCAC 4200
 GGGCCTATGACACCGCAGCCTACCACAGCATGGCTGTCTATCCCCCTGGCCTCCTAAGGTC 4260
 CAGATGTCTGGGTGAACCCAGCTCAGCTCCCCTCTCCTTTGAGCATCTCTGTACCTAATT 4320
 TTGTAATCTGGGAAGTGCCCTGGTTGGGAAATCTTCTTTGCGACCCCTGTCCCTCTCTGCC 4380
 CCTTCCTTCATTGTGTCTGGTGATCTGTCTCATGTCTCTGTCTCGATTATCCTGGGGCC 4440
 CTTCTCTTTCCCATGATGCCCCCTGATTTCTCACTGCTGTCTTTCATTCTGTCTGCCATG 4500
 CTTGTCTTTATGTCTGTGTCTTCTCGTCCCTGAGTTCAACCTATGCACCCCTTTCTAACA 4560
 ACATGACTACCTCATGTCTGTCTTCAAGCCATAGTGTGACCCCTGGGTCCCCACAGCTCCC 4620
 CTGCCAACCCCTTCTTGGGCAGATGAGCCCACTCCAAGTAGATCTGAAAAGACCCCTTG 4680
 TGGCTTGTCTGGCTGCCCTCCCCTTGGTGTGAGATGAGAAGGTTTCTATGGAAGAGAT 4740
 GAGTCCAGGCTGCACAGGGGAACCCCCAAGAAGGGGTAGGGAGTGAACCAAGAGGCTGA 4800
 AAAAAATGGCTGCCACCCATCTGCACAGAGAGATGGGTGTGTGCTTTTGACGTGCAGTC 4860
 CTGGCTGAAACTGAAGGGGTGAGGAGAGGGGAGCTACTGGGGCTGCCATGGCTCAGTTCC 4920
 CTGACCTGGAGCCCTGAACCTGGCTTCAAGTAGCAAAAGAGTTTCTCCAAGATGCTGT 4980
 AAGGGAAGTCTTTGCTATAGGAAAAGGGCGGCTGGCTCATTATTTATCTTTTACA 5040
 CTGAATCCCAAAATCATCTTACCACAAAGGGCCAAGCCTGACTGGTATTTCTGAGTCAC 5100
 AAGAGCCATGCCATCTCTGTGCTTCTACCTCAGTCATGTCCAGAAATGTGAGATCCA 5160
 GTGGCATCTGTGCTCTTGCTGCACATCTTTCTATTTCAACTGGCTGGCACATCAAGTGT 5220
 AACTCTGGCTTCTGGGCCAAGTTAGAAATAACCAAGTCTATTTTCCCTTTATTTTATA 5280
 TTTTATTTTATTTATGTCTTTTCAAGTGGTGTAGCTTCTGAAAGCGTCTGTGTTATT 5340
 AGCCTTGTGTGCTCACTCATGTTTGACCCACCCACATTTCTCTCTCCCTCTTCAGC 5400
 CAGCCTATGATAACACTAAAGATTATTAATGCTGGCTTCGTATCTCATTAAAGACAGGAT 5460
 TGTCACTTGAACACTTCTATAGCATTCAAAGTGGCCACGGCCAACACCACCGTATGTTT 5520
 CTTTATTGCTCTGAAGGTCAAGAGCCTCATTGTTTCTGTTTCTGTTAGATTCTTTTCTCC 5580
 TTGCCCTGAATGAAATAACCGTTTAAACAGTAGGCTCTTAGCATCACACCACATAGTCAT 5640
 TCCTCATGTTCTTGTGTTTAAACAGCACTTGAGGTTCTGGGTTTAAATTAAATAGCTGCAA 5700
 TGAGACAATTTATAACCCATTAGGCTGGGTGAAAATTGTTCTCAAAGCAAATAAGTAA 5760
 TAAATCTGGTATCTGCCCTATAACTCACAGTTGATAAGAAAGTAGCCAGAACTCACTAGCA 5820
 TTATATATGATTGGGGTTCTGAGTAACTGGGGAGTGTAGCTTTGTGACTTTGTAGCACC 5880
 AGGTCTTATTAGGAAAGTCTGTTGGCCTTTTACAGGGCATTAGTCCCTTTGTGCTTTGCC 5940
 ATGGATGCCCTTAAGTTCTTTGGAGTCTCATTTAAGAATTCCTTTCTCGAAGCATGACAA 6000
 GTGTATCGCAATACTTACATGCTCACTCGTTTACCTGGCTTAGTTTGTGCTGGGTTATT 6060
 AATTGCATTTCCAGCATCATGCTTCTCCTTACAAATATGATATTCTTTATTGTTACAC 6120
 TAAGGTGTTGATCATGTATCTGTCCCTGTAAAGAATTAATAAATATTTTCCAGAC 6176

FIGURE 2A

	10	20	30	40	50	60	70	80
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MARADTGRGLLVLTFCLLSARGELPLQETTTVKLSCDEGPLQVILGPEQAVVLDCTLGATAAGPTRVTWSKDGDTVLEH
ENLHLLPNGSLWLSSPLEQEDSDDEEALRIWKVTEGSYSLAHSPLGVVASQVAVVKLATLEDFSLHPESQIVEENGTARG
FECHTKGLPAPIITWEKDQVTVPEEPRLITLPKWLLQILDVQDSDAGSYRCVATNSARQRFSQEASLTVALRGSLEATRG
QDVVIVAAPENTTVVSGQNVVMECVASADPTPFVSWVRQDGKPISTDVIVLGRTNLLIASAQPRHSGVYVCRANKPLTRD
FATAAAELRVLAAPISQAPEALSSTRASTARFVCRASGEPRPALHWLHDGIPLRPNGRVKVQGGGSLVITQIGLQDAG
YYQCAENSAGTACAAAPLAVVVREGLPSAPTRVTATPLSSSSVLVAWERPELHSEQIIGFSLHYQKARGVDNVEYQFAV
NNDTTELQVRDLEPNTDYEFYVVAYSQLGASRTSSPALVHTLDDVPSAAPQLTLSSPNPSDIRVAWLPLPSSLSNGQVLK
YKIEYGLGKEDQVFSTEVPNETQLTLNSLQPNKVYRVRISAGTGAGYGVPSQWMQHRTPGVHNQSHVPFAPAELKVRAK
MESLVVSWQPPPHPTQISGYKLYWGEVGTEEADGDRPPGGRGDQAWDVGPVRLKKVKQYELTQLVPGRPYEVKLVAFN
KHEDGYAAVWKGKTEKAPDLPIQRGPPLPPAHVHAESNSSTSIWLRWKKPDFTTVKIVNYTVRFGPWGLRNASLVTTY
TSSGEDILIGGLKPFTKYEFAVQSHGVDMDGPFGSVVERSTLPDRPSTPPSDLRLSPLTPSTVRLHWCPTEPNGEIVEY
LILYSNNHTQPEHQWTLTTEGNIFSAEVHGLESDTRYFFKMGARTEVGPGFSRLQDVITLQETFSDSLDVHAVIGDM
SVCEGLUCLEACACAGERQSSSHREALPGLSSSGTPGNPALYTRARLGPPSVPAAHELESLVHPRQDWSPPSDVEDKAE
VHSLMGGSVSDCRGHSKRKISWAQAGGPNWAGSWAGCELPQSGGPRPALTRALLPPAGTGQTLLLQALVYDGIKSNGRKK
PSPACRNQVEAEIVHSDFGASKGCPDLHLQDLEPEEPLTAETLPSTSGAVDLSQGADWLGRELGGCQPTTSGPERLTCL
PEAASASCSCSDLQPSTAIEEAPGKSCQPKALCPLTVSPSLPRAPVSSAQVP

FIGURE 2B

10 20 30 40 50 60
 1 AGGCTGGTGGCGCGCGGGCGCGTGTCCCCTGTGGTGCAGGGTGGCCACACTGGCGGGGCG
 61 CCCCCGCGTGGGCGCTAGCCCAAGATGGCGATGGAGGGGCGGGCGAGCTGGCCGCGGCC
 121 CCGGCCCCCGCGCGCGCCCCCGCTCGGCCCCGGCCCCGGAGGCCCGCGCCCCGCGCGG
 181 CGCCGCGCCTCCCGAGCCACTGACGCCCGGCGCGCCTCCCCCGGCGGCGGCCAGGCG
 MetAlaArgAlaAspThrGlyArgG
 241 CCCGGACGCGGCGGCAGCGGCCGAGCCCGGCCCTATGGCGCGGGCGGACACGGGCCGCG
 splice
 site
 | intron 1 >>
 lyLeuLeuValLeuThrPheCysLeuLeuSerAlaArg |
 301 GGCTCCTGGTGTGTGACCTTCTGCCTGCTGTCCGCGCGCGGTAAGGGCCCCGGTGGCCGCA
 361 GTCGCGAGTGGGCGTCCCCGGCGCCCGCGATGCTTGCAGCGCCGGGGGCTGTGGGACTTG
 421 CCCCCAGGGGGTGTGTGTCCTTGCTGTGCACAGCCTGGCACCGTGCCTGTCCCCCTGCGC
 481 GTGGCCCTTGTGCATGTGAG

FIGURE 2C



FIGURE 3

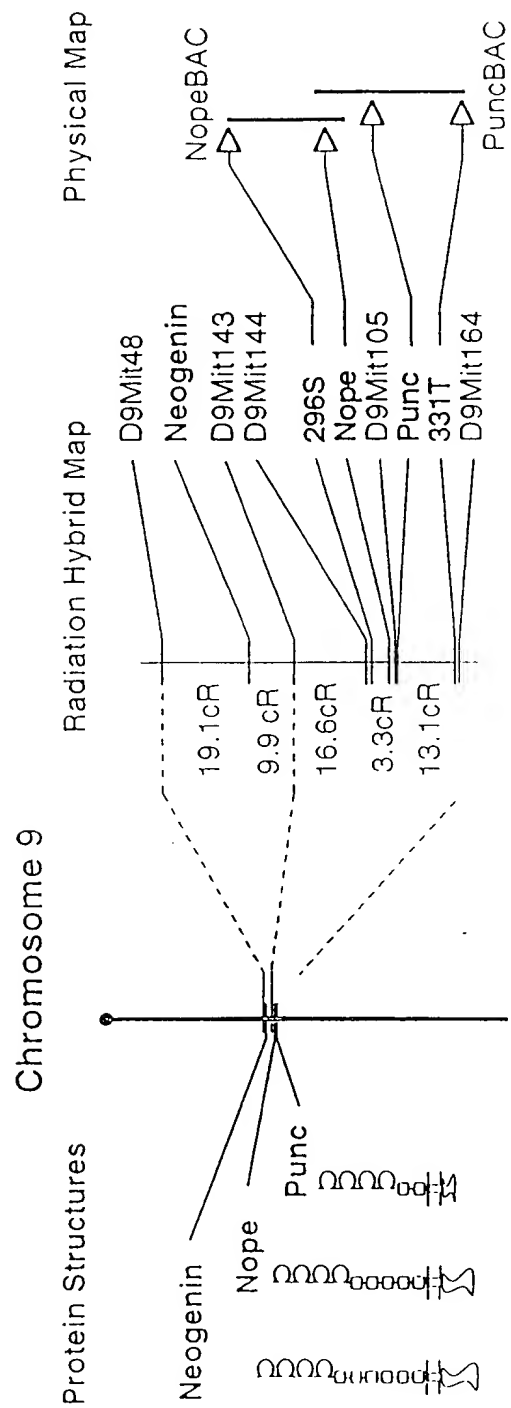


FIGURE 4